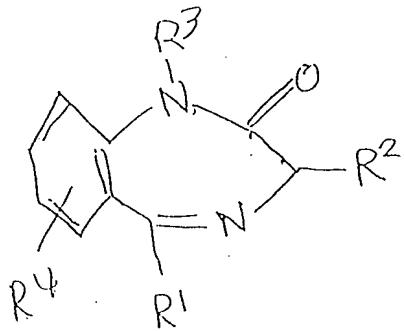
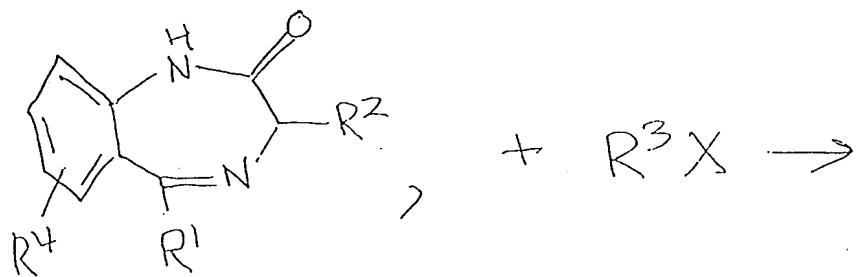
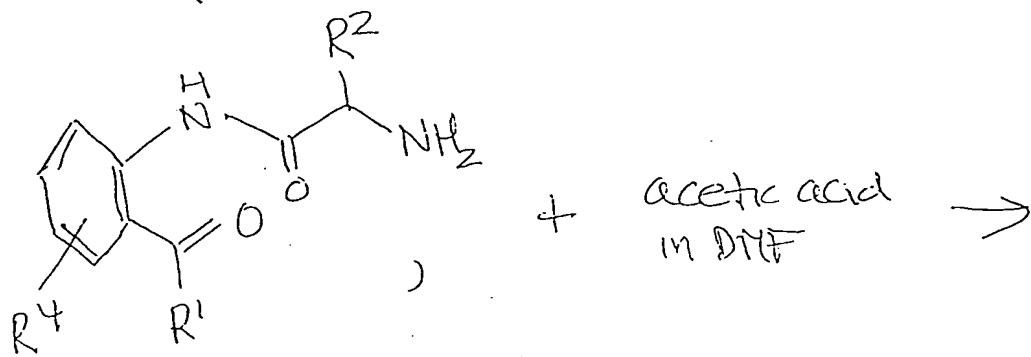
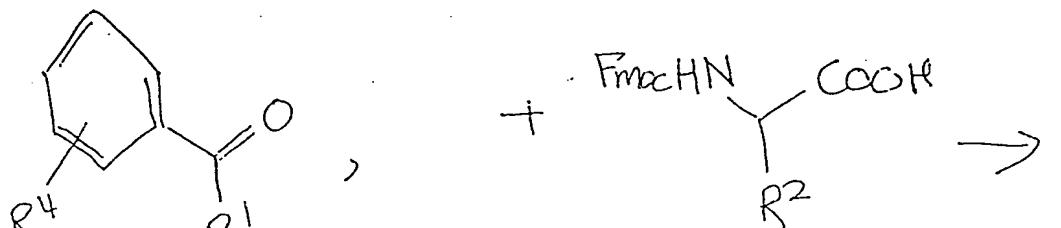
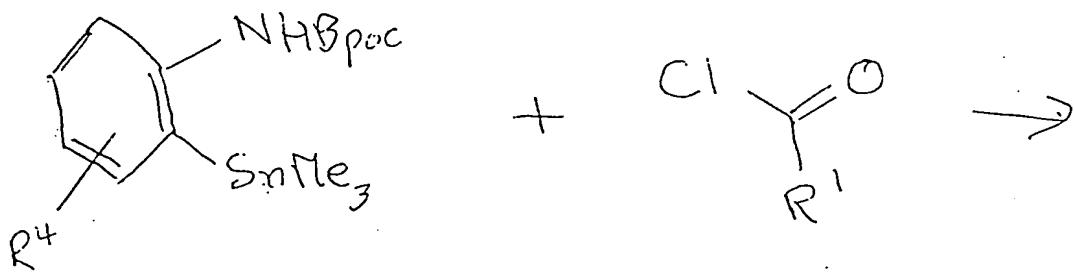


Fig. 1



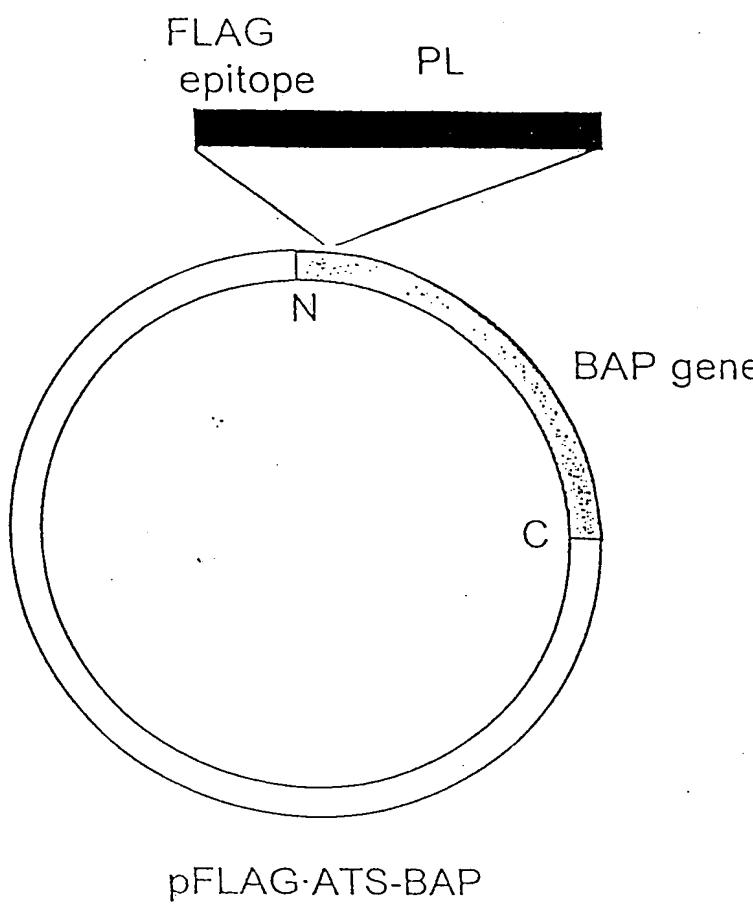


Fig. 2

Fig.3 Occurrence of Amino Acids (AA) in Binding Peptides Identified by screening from Phage Display Libraries

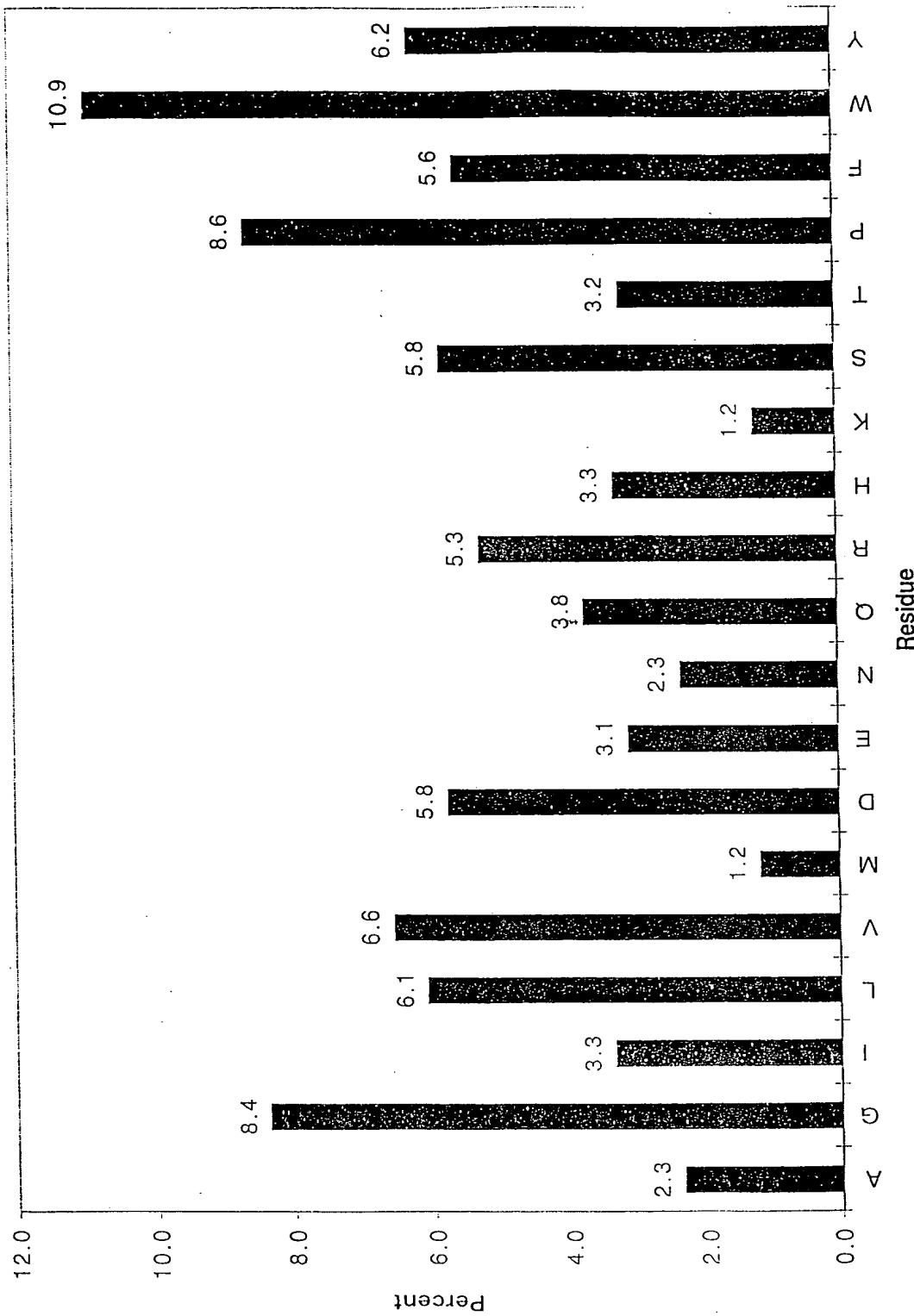
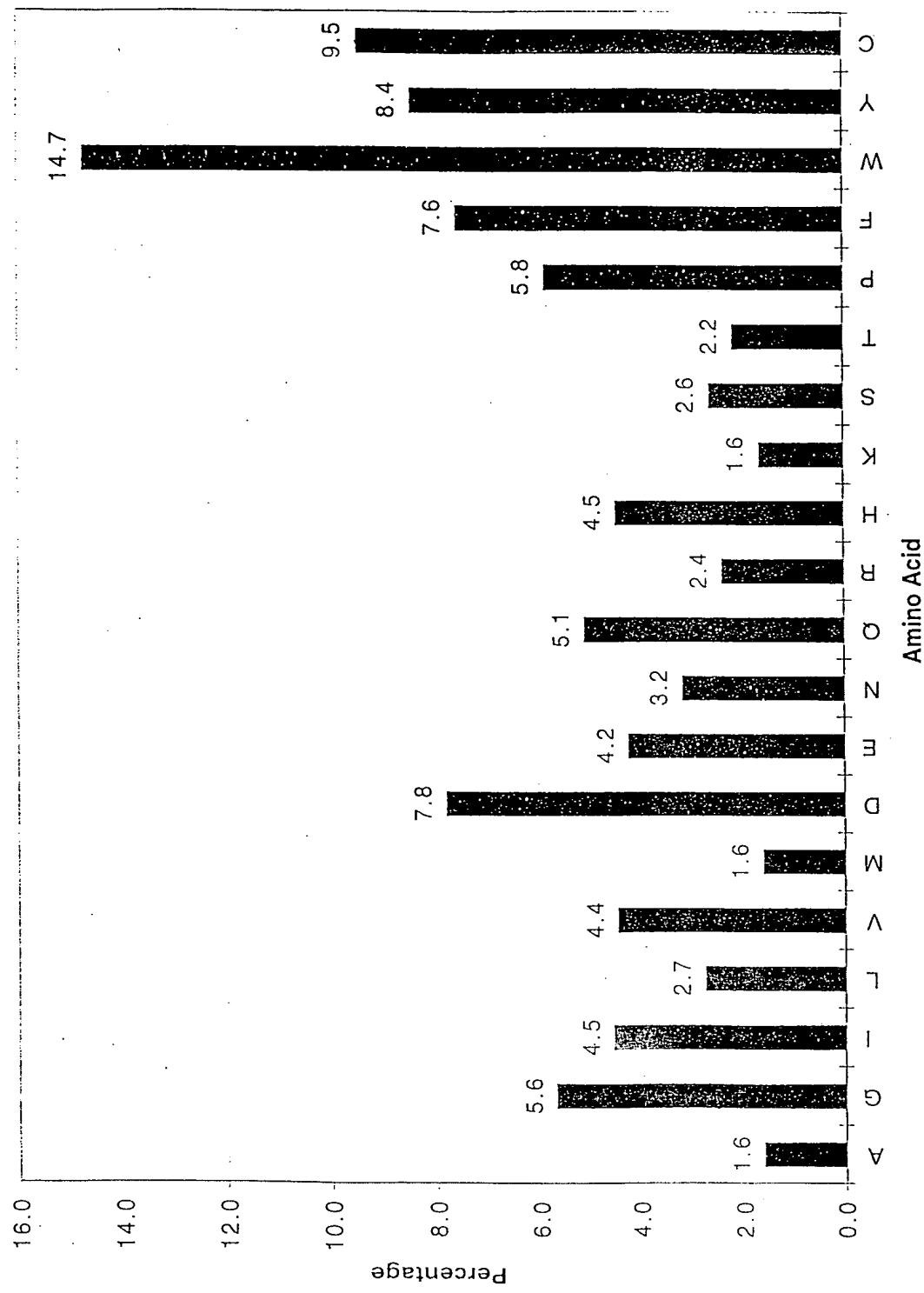


Fig.4 Occurrence of Amino Acids (AA) in Binding Peptides Identified by screening from Phage Display Libraries (Corrected for codon usage)



5/16

Enrichment of Phage Binding to CMV UL44

Fig. 5

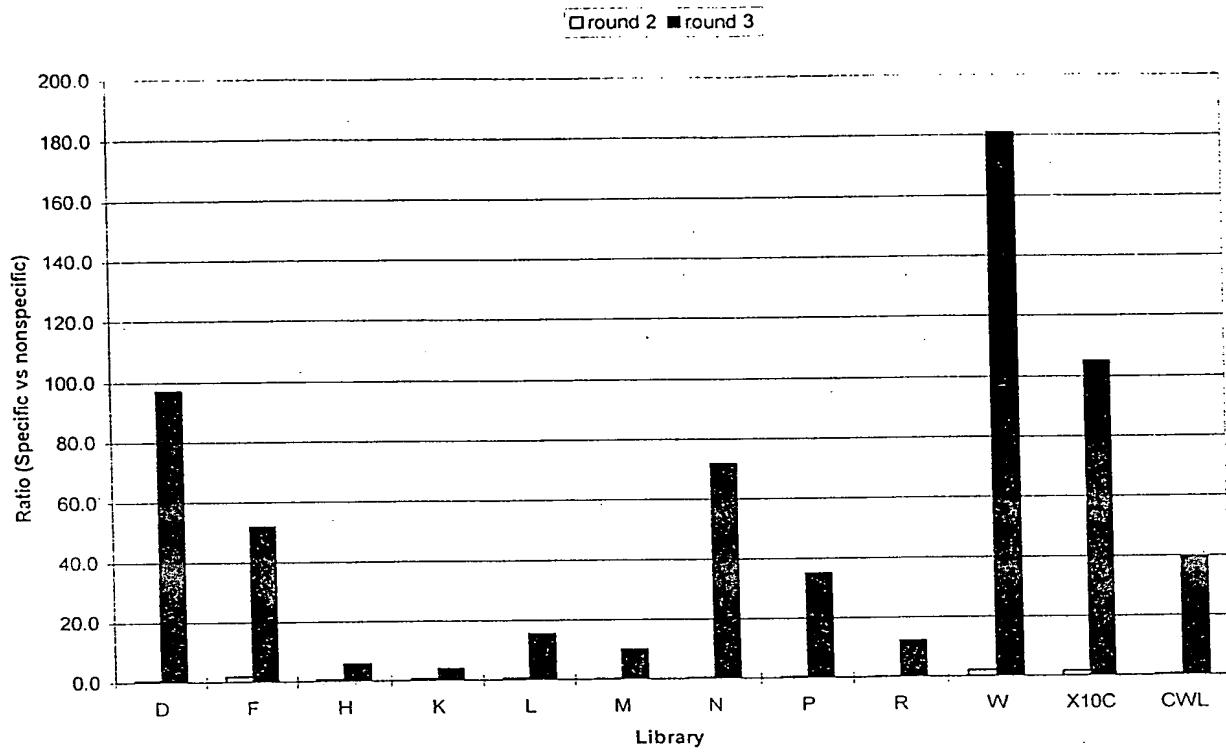
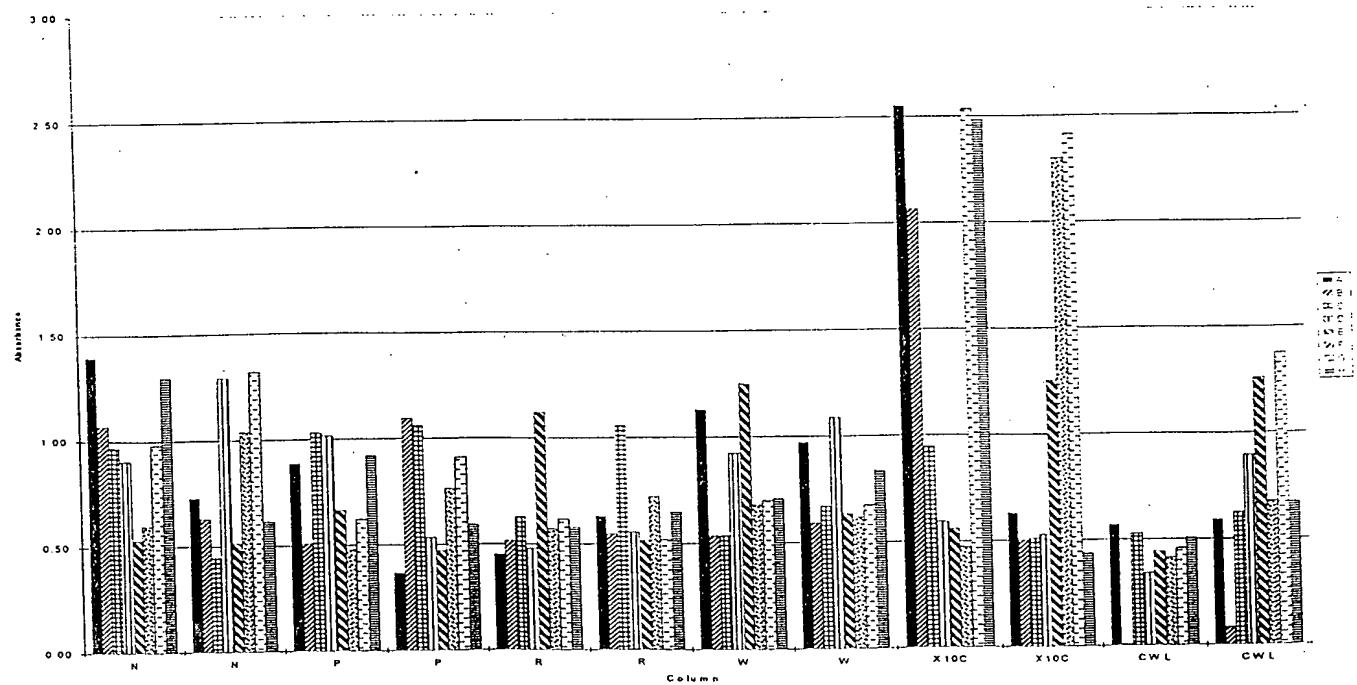


Fig. 6

Individual Phage ELISAs for CMV UL44



6/16

Fig. 7a

Competition for binding between phage and substrates

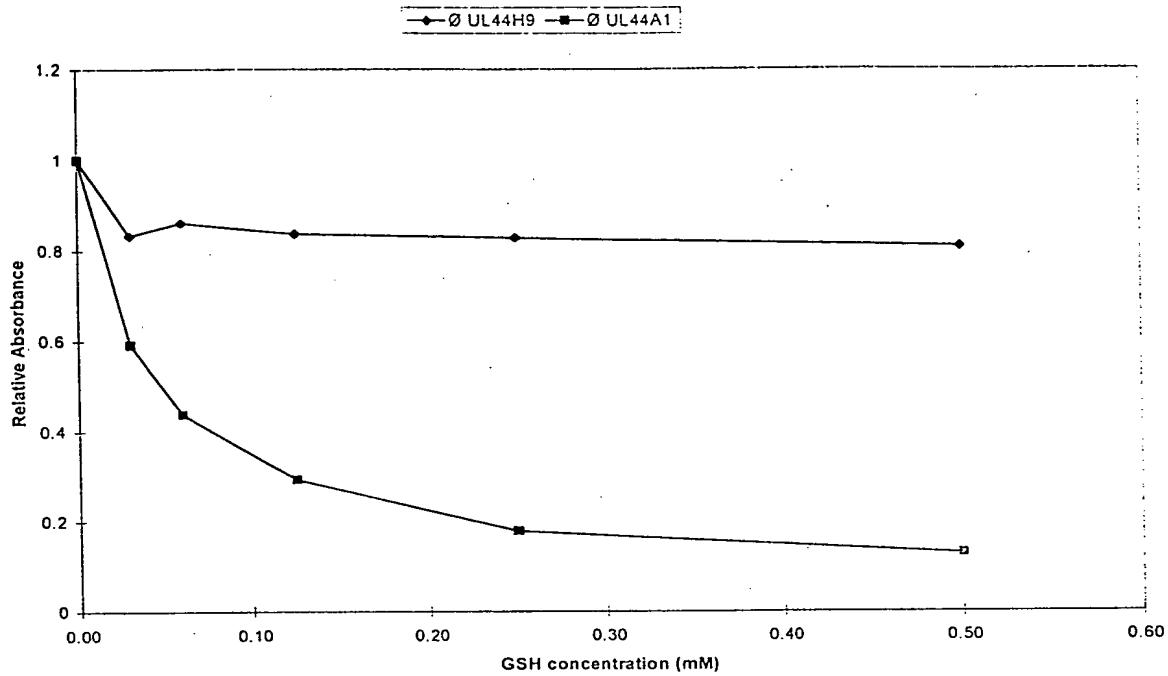
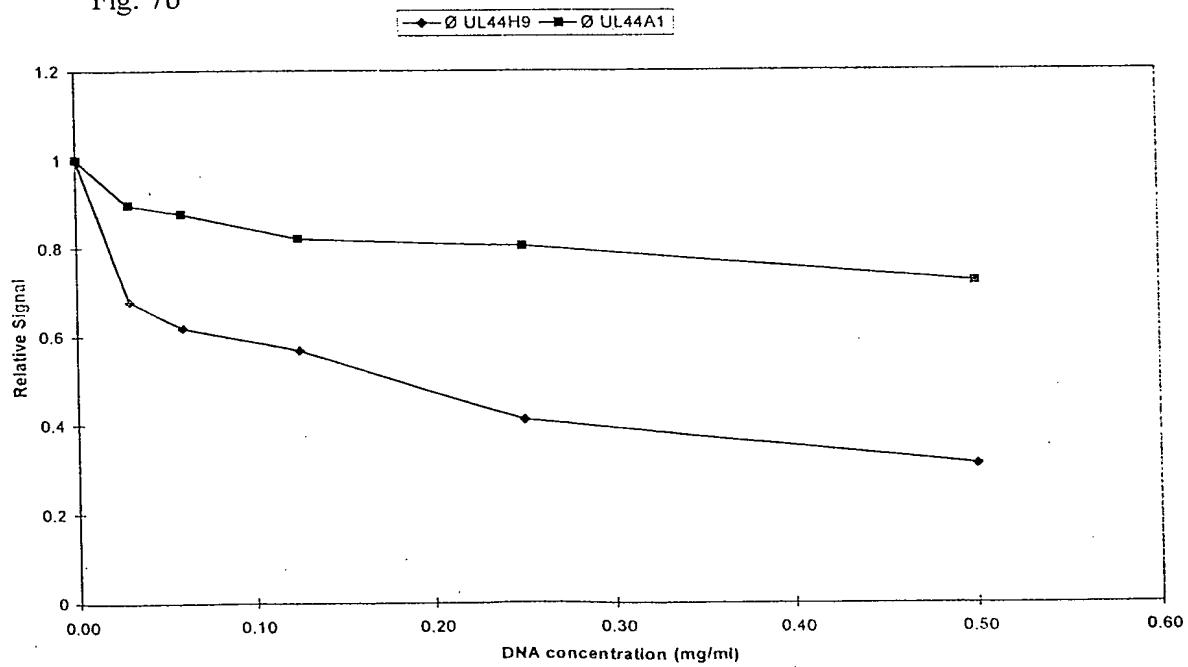


Fig. 7b



7/16

Fig. 8 ELS Assay of UL44 BioKey

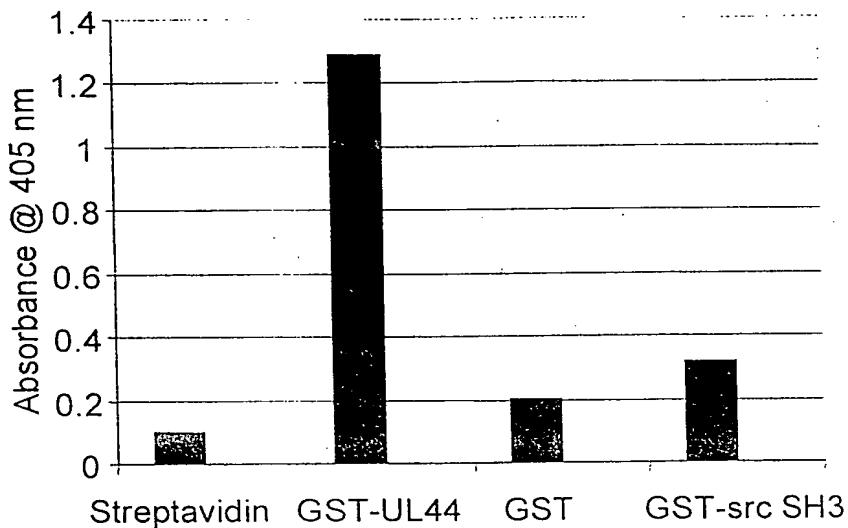
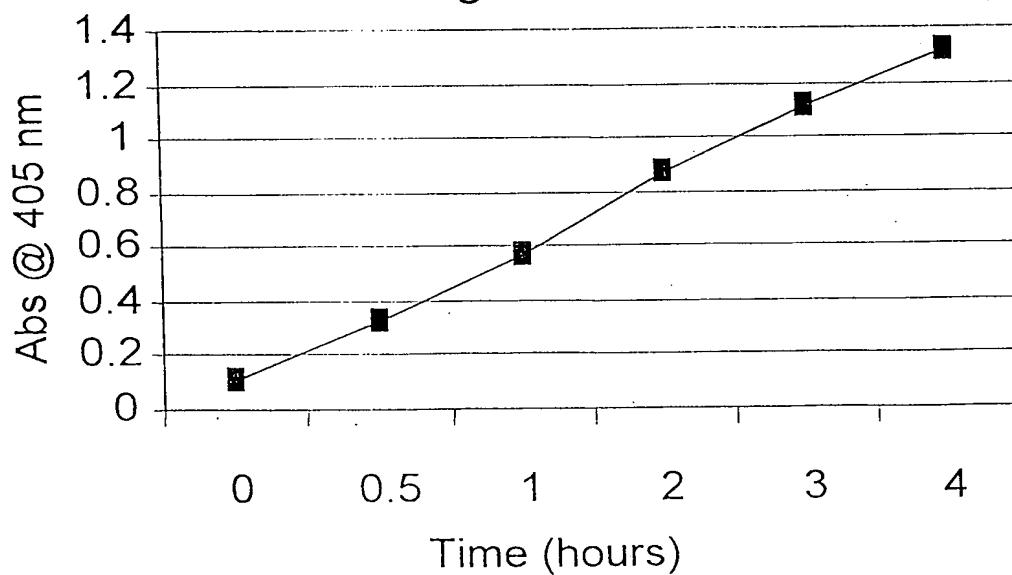


Fig. 9

Time Course of 50 pmol UL44-BioKey  
Binding to GST-UL44



8/16

Fig. 10

Titration Curves for Binding of UL44  
BioKey to GST-UL44

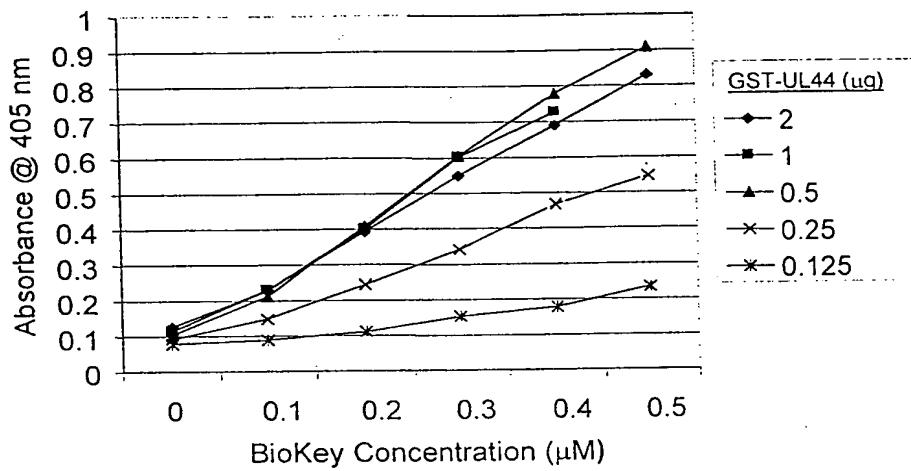
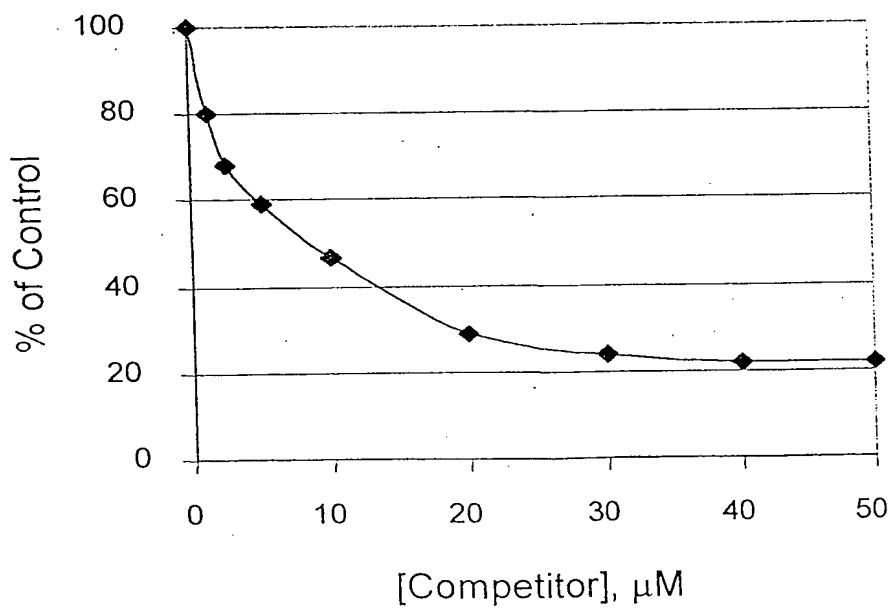


Fig. 11

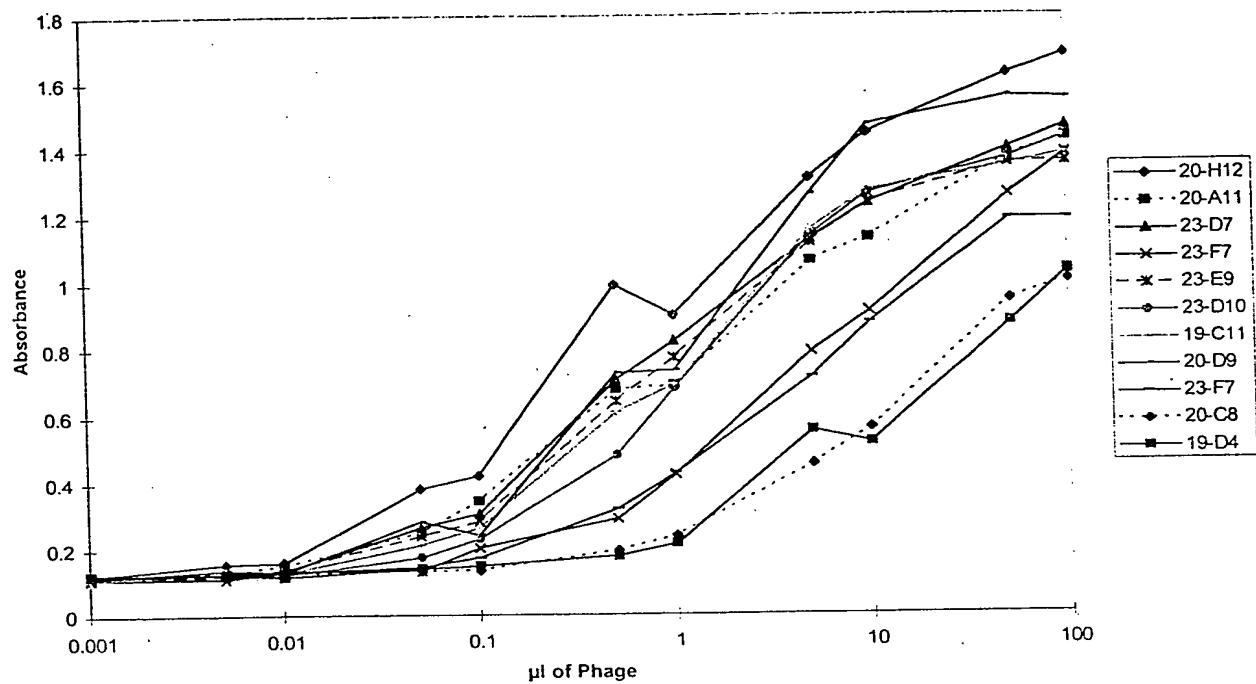
UL44 BioKey: Self Competition



9/16

Fig. 12

Titration of PKC Binding Phage



10/16

Fig. 13a

Specific Binding of the ProRS BioKey

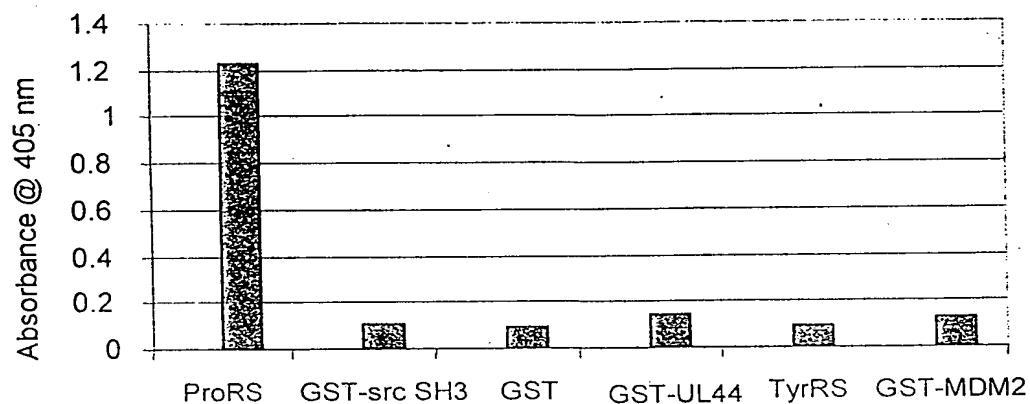
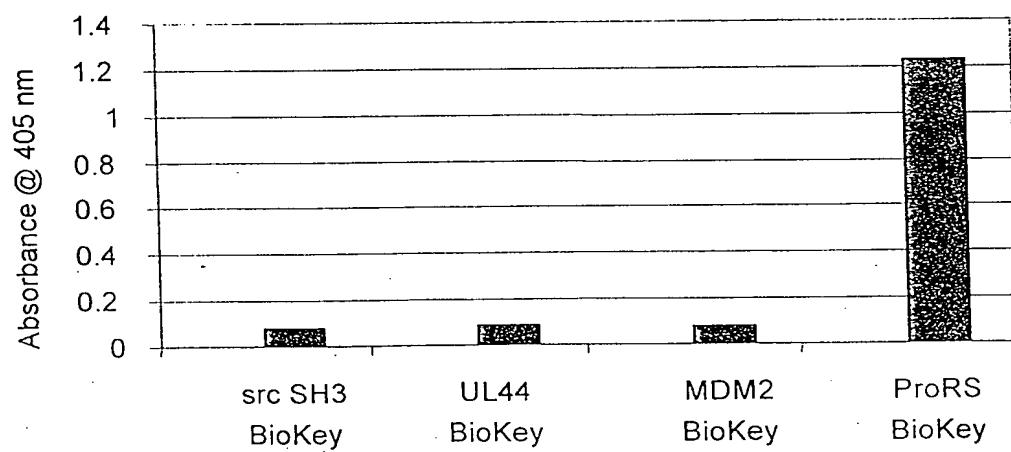


Fig. 13b

BioKeys to Other Targets do not Bind to ProRS



All incubations: 50 pmol BioKey for 2 hours, 5 min development

11/16

Fig. 14a Self Competition for ProRS BioKey  
5 min development

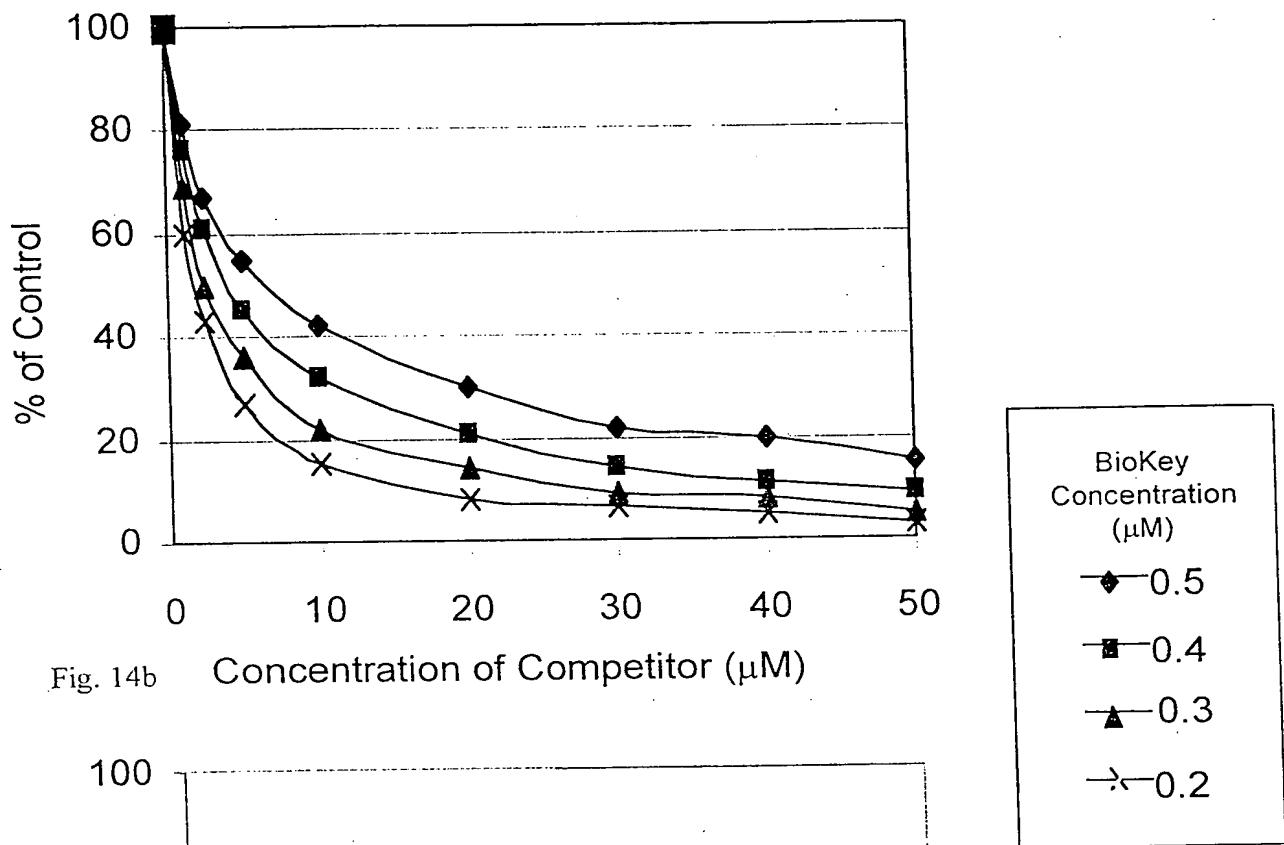
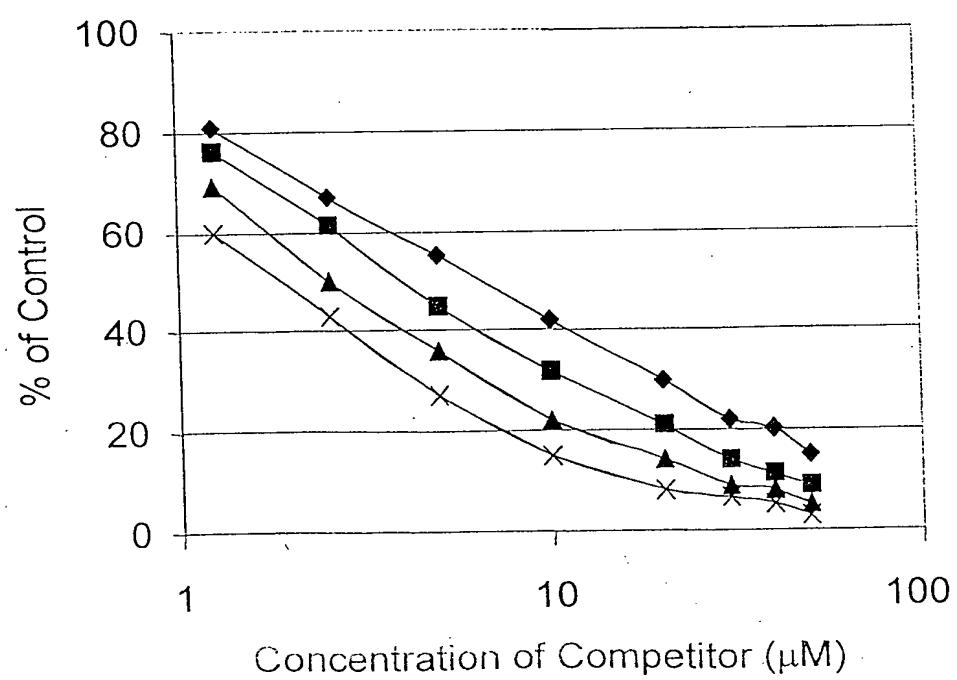


Fig. 14b



12/16

Fig. 15a

ProRS BioKey Concentration Curve  
2 h incubation, 5 min. development

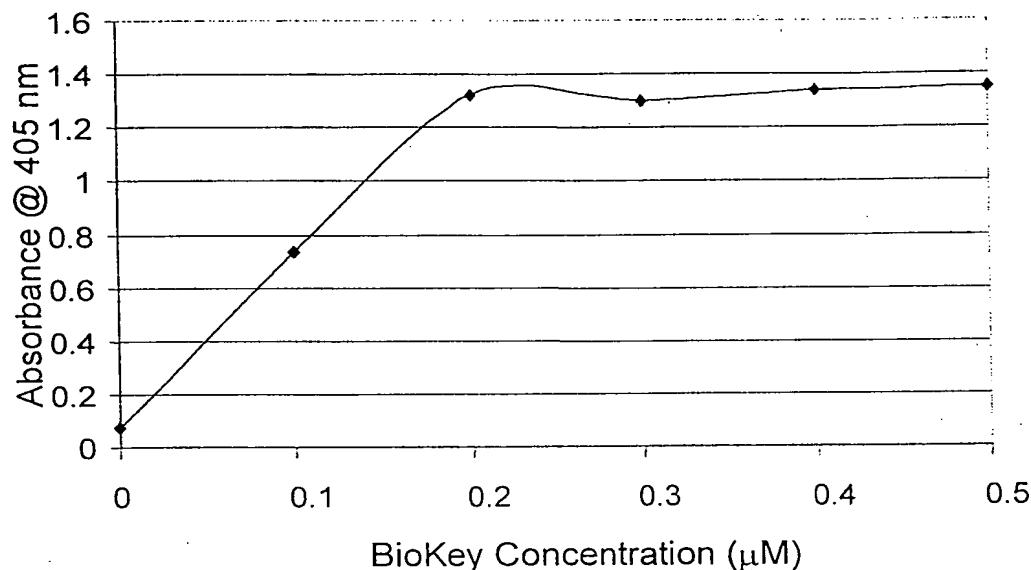
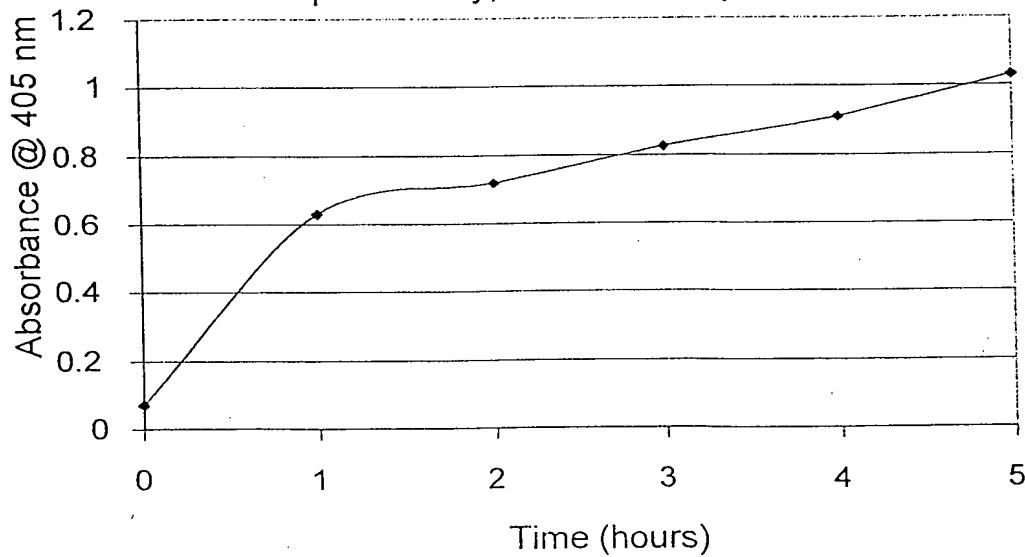


Fig. 15b

ProRS BioKey Binding Time Course  
0.5  $\mu$ M BioKey, 5 min. development



13/16

Fig. 16

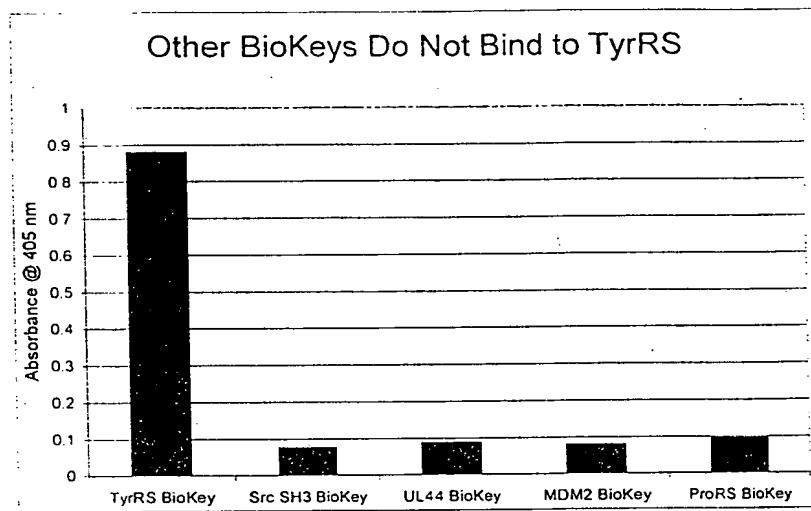
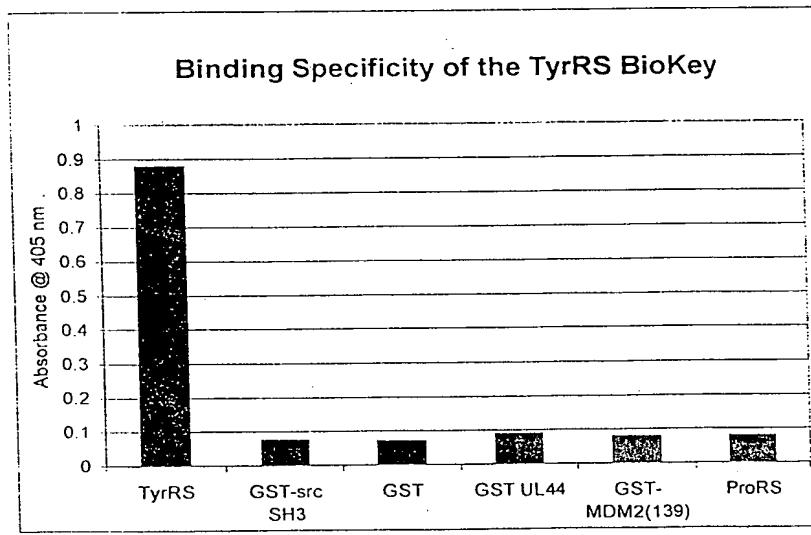


Fig. 17



14/16

Fig. 18

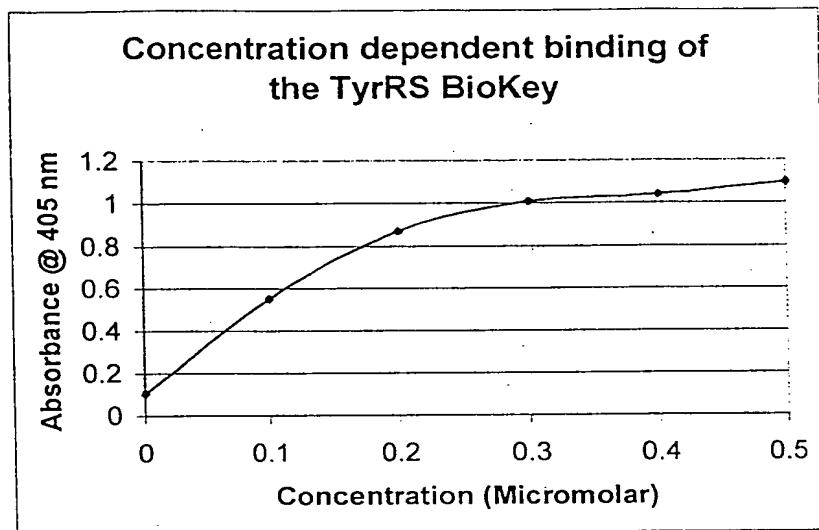
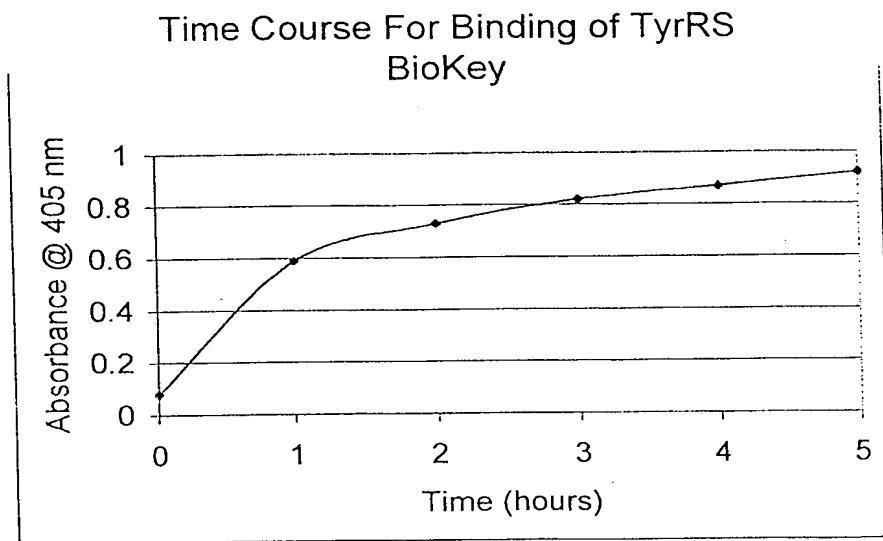


Fig. 19



15/16

Fig. 20

Competition between HiTryRS BioKey and CB239 and CB16914

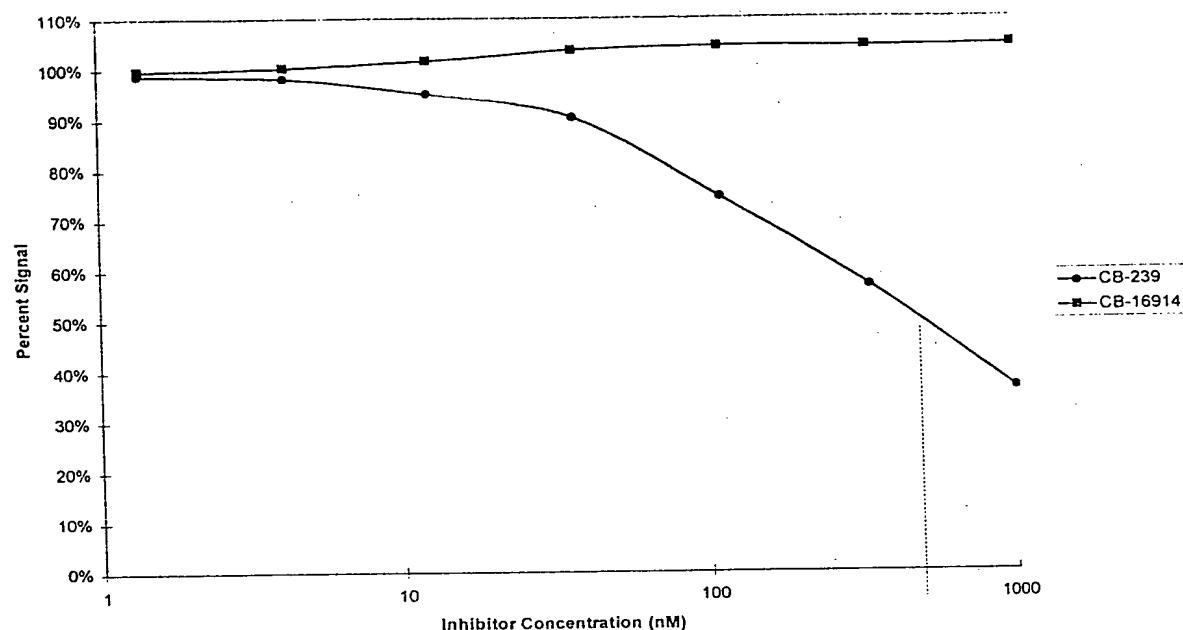
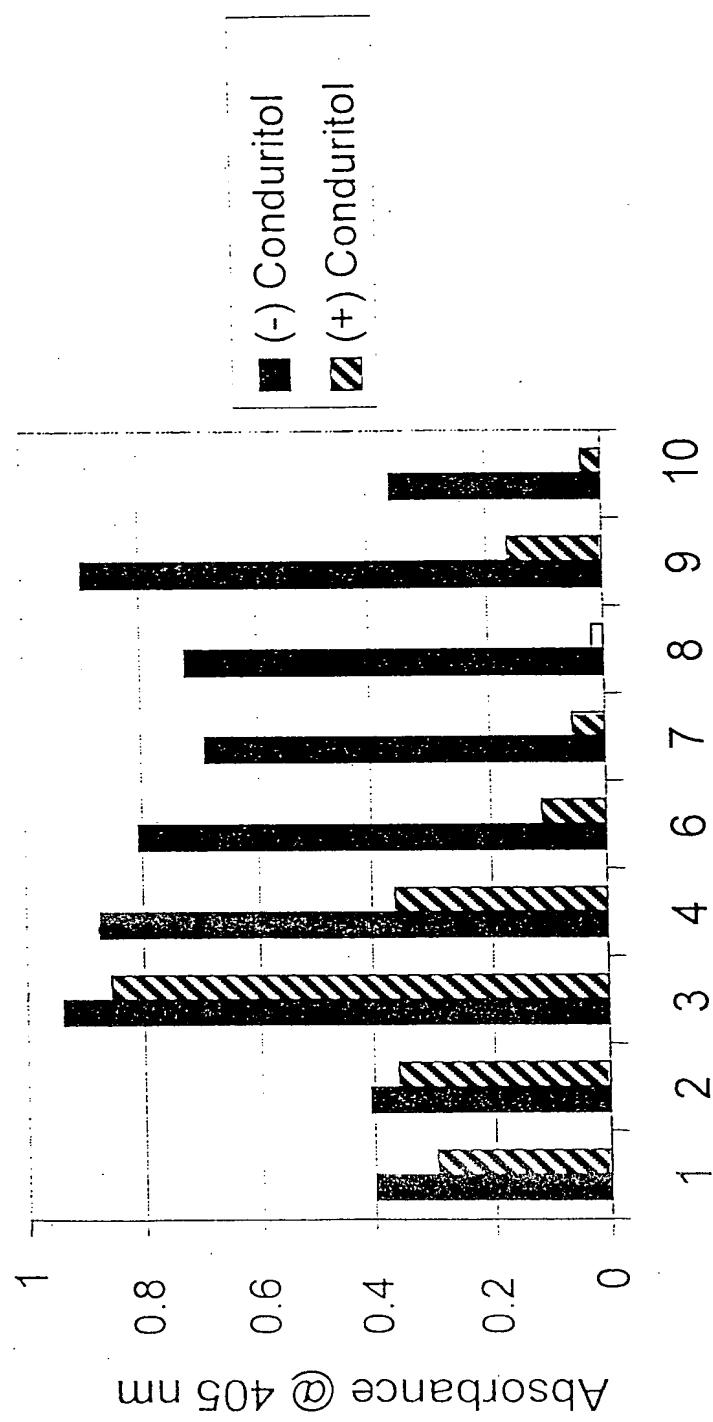


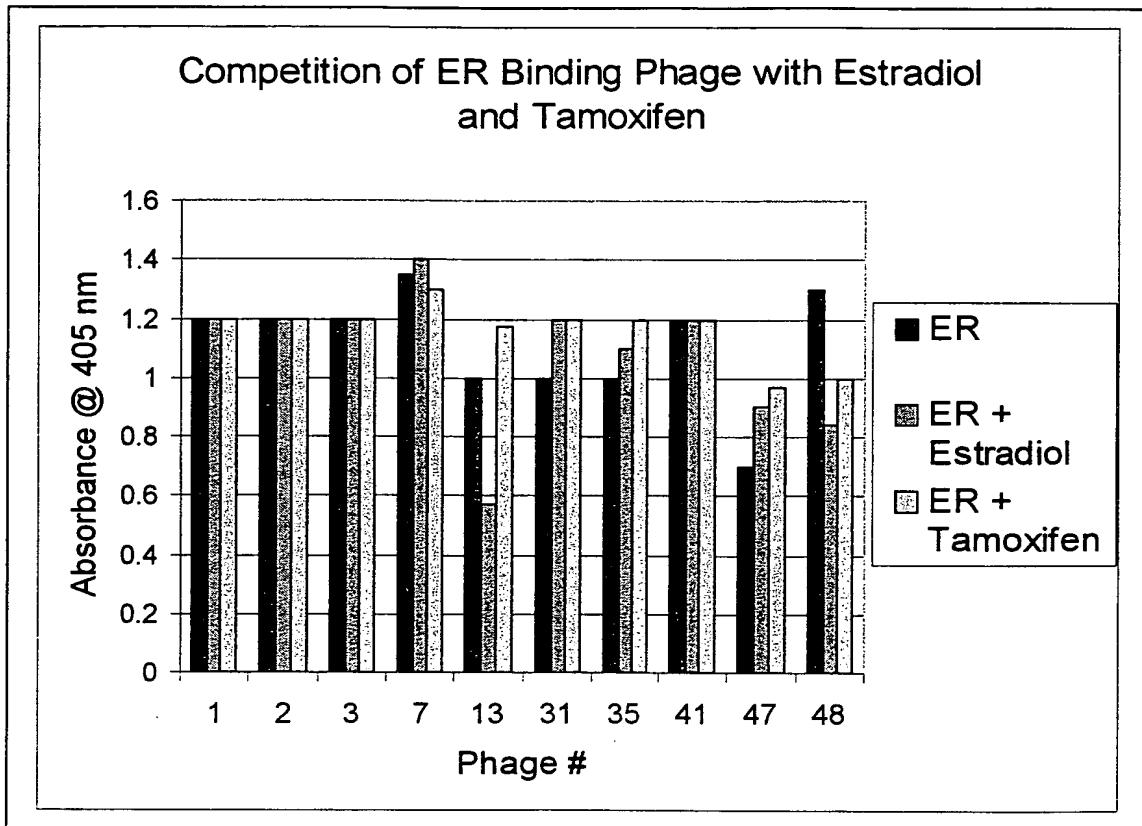
Fig. 24

### Inhibition of B-Glucosidase Phage ELISA with Conduritol B Epoxide



## Estrogen Receptor Structural and Functional Domains





24A

